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APPLICATION NOTE GEM-OUT2 MODULE INSTALLATION INSTRUCTIONS

WI1165 4/03

INTRODUCTION

The GEM-OUT2 Module is an accessory to the GEM-P801, GEM-P800, XP-600, GEM-P1632 and GEM-P816 panels. It is used to add 2 outputs that can be used to activate devices such as LEDs or Auxiliary equipment during a burglary alarm or fire alarm.

The Burglary Output and the Fire Output are open collector outputs that sink a maximum of 50mA from the AUX power.

INSTALLATION

Remove the panel terminal block screws and screw clamps from the +Bell terminal, - Bell terminal and the +12V terminal*.

Insert one of the screws and clamps through the center hole of the GEM-OUT2 Module. Be sure that the clamp and screw head are on the same side of the Module as the Module terminals. Insert screw into the center panel terminal hole. Secure the screw. Secure the remaining screws in the panel. See Fig. 1.

IMPORTANT: Place wires carefully. Wire the (+)Bell, (-)Bell and (+)12V Red on *top* of the GEM-OUT2 and *under* clamps. Tighten screws to secure.

Wire the BURGLARY output of the GEM-OUT2 Module to the input of the device that you want to trigger on a burglary alarm.

Wire the FIRE output of the GEM-OUT2 Module to the input of the

device that you want to trigger on a fire alarm.

Note: Bell must have 2.2k supervisory resistor installed.

FUNCTION

The BURGLARY output will change to active low after a burglary alarm (steady bell) has been activated, and will restore to open collector when the bell has turned off.

The FIRE output will change to active low when a fire alarm (temporal bell) has been activated and will restore to open collector when the bell has turned off.

If the steady bell changes to pulsing, the FIRE output will change to active low and the BURGLARY output will restore to open collector.

* The +12V terminal on the GEM-P801, GEM-P800 and XP-600 is the + Remote Power terminal and on the GEM-P1632 and GEM-P800 is the +Aux power terminal.

PROGRAMMING NOTES

The GEM-P800/P801/XP-600 panels require [96-3] Household Fire enabled. The GEM-P1632/816 panels require fire zones to be programmed for the following: Fire (Zone Option) [0531, 0586, 0641, 0696], Pulsed Alarm Output [0501, 0556, 0611, 0666], and Change Pulse Output to Temporal Output [0720 bit 7].

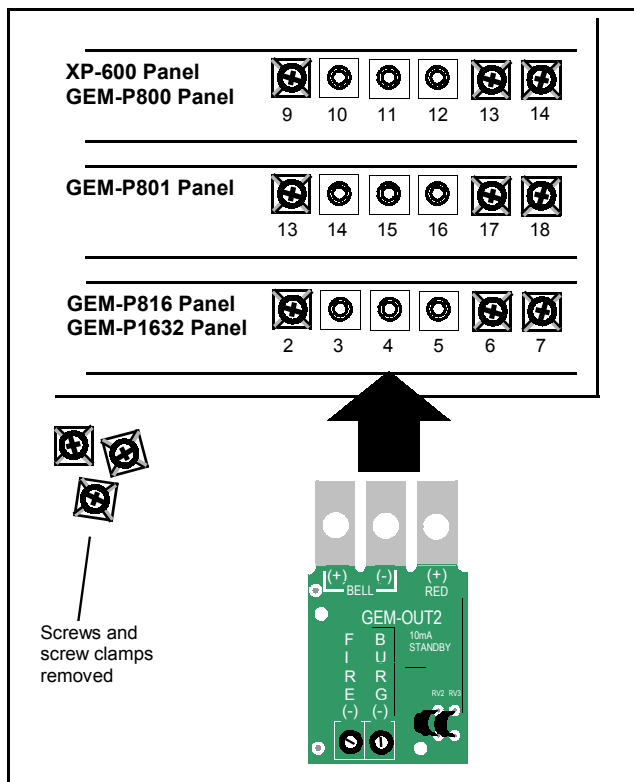


Fig. 1. This diagram illustrates the several panels and their respective numbered terminal blocks. Remove screws and screw clamps, and place Module on top of terminal block.

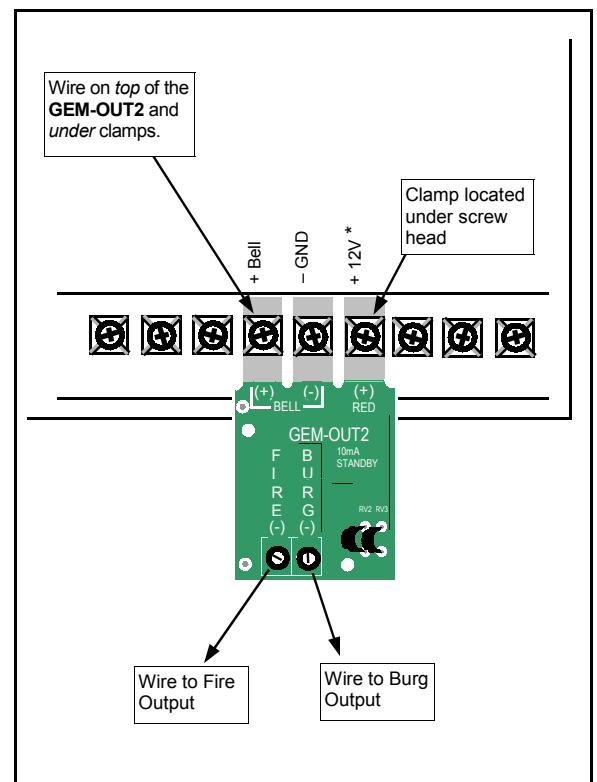


Fig. 2. Replace and tighten screws and screw clamps. Place all subsequent wires carefully on *top* of the GEM-OUT2 and *under* clamps.

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